

The Status of the Claims

Claims 1-20 (Cancelled).

21. (Cancelled).

22. (Currently amended) A multiple channel system as defined in claim ~~[[21]]~~ 24, further comprising a digital subscriber line access multiplexer coupled to an output of the second transceiver.

23. (Cancelled).

24. (Currently amended) ~~A multiple channel system as defined in claim 21~~ A multiple channel system for a twisted pair telephone wire local loop system, comprising:

a subscriber gateway system having a first transceiver coupled to the twisted pair telephone wire, the first transceiver to send and receive via multiple independent channels;

a second transceiver at a central office coupled to the twisted pair telephone wire, the second transceiver to send and receive via the multiple independent channels; and

a plurality of digital filters, operatively coupled to the first and second transceivers, to convey a signal via an available frequency band associated with the multiple independent channels, wherein each of the plurality of digital filters has an output, and wherein each of the outputs is to be summed by a summer.

25. (Currently amended) A multiple channel system as defined in claim ~~[[21]]~~ 24, further comprising a plurality of digital demodulators and a plurality of digital modulators coupled to the digital filters.

26. (Cancelled).

27. (Withdrawn).

28. (Cancelled).

29. (Withdrawn).

30. (Cancelled).

31. (Cancelled).

32-37. (Withdrawn).

38. (Currently amended) A multiple channel system as defined in claim ~~[[21]]~~ 24, wherein the first transceiver in the subscriber gateway is to transmit a plurality of frequency division multiplexed signals.

39. (Currently amended) A multiple channel system as defined in claim ~~[[21]]~~ 24, wherein the first transceiver in the subscriber gateway is to transmit a plurality of time division multiplexed signals.

40. (Currently amended) A multiple channel system as defined in claim ~~[[21]]~~ 24, wherein the first transceiver in the subscriber gateway is to transmit a plurality of code division multiplexed signals.

41. (Currently amended) A multiple channel system as defined in claim ~~[[21]]~~ 24, further comprising a local circuit switch coupled to an output of the second transceiver.

42. (Withdrawn).